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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

OM nucleic - nucleic search, using sw model

Run on: January 11, 2003, 06:03:32 ; Search time 6157 Seconds
(without alignments)
11211.930 Million cell updates/sec

Title: US-10-005-344-1

Perfect score: 2372

Sequence: 1 gacceggcgagtcggctg.....attacaggataggccacec 2372

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 2054640 seqs, 14551402878 residues

Word size : 0

Total number of hits satisfying chosen parameters: 995600

Minimum DB seq length: 0

Maximum DB seq length: 100

Post-processing: Listing first 45 summaries

Database : GenEmbl:*

1: gb_ba:*

2: gb_ltg:*

3: gb_in:*

4: gb_om:*

5: gb_ov:*

6: gb_pt:*

7: gb_ph:*

8: gb_pl:*

9: gb_pr:*

10: gb_ro:*

11: gb_sts:*

12: gb_sy:*

13: gb_un:*

14: gb_v1:*

15: em_ba:*

16: em_fun:*

17: em_hum:*

18: em_in:*

19: em_mu:*

20: em_om:*

21: em_or:*

22: em_cv:*

23: em_ph:*

24: em_pl:*

25: em_ro:*

26: em_sts:*

27: em_un:*

28: em_v1:*

29: em_vt:*

30: em_htg_hum:*

31: em_htg_inv:*

32: em_htg_other:*

33: em_htg_mus:*

34: em_htg_pln:*

35: em_htg_rnd:*

36: em_htg_mam:*

37: em_htg_vrt:*

38: em_sy:*

39: em_htgo_hum:*

40: em_htgo_mus:*

41: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a

RESULT 1

LOCUS HUMDLRFL

DEFINITION HUMAN low density lipoprotein receptor intron A Alu repeat.

ACCESSION K03555

VERSION K03555.1 GI:187104

KEYWORDS Alu repeat; low density lipoprotein receptor-1; repeat region.

SOURCE Human DNA.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 90)

AUTHORS Lehman,M.A., Goldstein,J.L., Russell,D.W. and Brown,M.S.

TITLE Duplication of seven exons in LDL receptor gene caused by Alu-Alu recombination in a subject with familial hypercholesterolemia

ORIGIN

Query Match 1.6%; Score 39; DB 6; Length 85;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2290 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 2328
Db 9 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 47

RESULT 6
AR072662 LOCUS ARO72662 85 bp DNA linear PAT 28-AUG-2000
DEFINITION Sequence 92 from patent US 5948634.
ACCESSION ARO72662
VERSION ARO72662.1 GI:9999426
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 85)
AUTHORS de la Monte,S. and Wands,J.R.
TITLE Neural thread protein gene expression and detection of alzheimer's
disease
FEATURES Patent: US 5948634-A 92 07-SEP-1999;
Location/Qualifiers 1. .85
/organism="unknown"
JOURNAL source 13 a 27 c 25 g 20 t
BASE COUNT 19 a 28 c 20 g 13 t
ORIGIN

Query Match 1.6%; Score 39; DB 6; Length 85;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2290 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 2328
Db 9 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 47

RESULT 7
AR073207 LOCUS AR073207 85 bp DNA linear PAT 28-AUG-2000
DEFINITION Sequence 92 from patent US 5948888.
ACCESSION AR073207
VERSION AR073207.1 GI:9999970
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 85)
AUTHORS de la Monte,S. and Wands,J.R.
TITLE Neural thread protein gene expression and detection of Alzheimer's
disease
FEATURES Patent: US 5948888-A 92 07-SEP-1999;
Location/Qualifiers 1. .85
/organism="unknown"
JOURNAL source 13 a 27 c 25 g 20 t
ORIGIN

Query Match 1.6%; Score 39; DB 6; Length 85;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2290 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 2328
Db 9 GCCAGGATGGTCGATCTCCGACCTGCTGATCCGCC 47

RESULT 8
HOMBRKFAA

LOCUS HOMBRKFAA 80 bp DNA linear PRI 27-APR-1993
DEFINITION Human alpha-galactosidase 80 bp breakpoint region.
ACCESSION M36131
VERSION M36131.1 GI:179541
KEYWORDS Fabry disease; breakpoint junction; glycosphingolipid catabolism.
SOURCE Human DNA.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 80)
AUTHORS Kornreich,R., Bishop,D.F. and Desnick,R.J.
TITLE Alpha-galactosidase A gene rearrangements causing Fabry disease.
FEATURES Identification of short direct repeats at breakpoints in an
Alu-rich gene
JOURNAL J. Biol. Chem. 265 (16), 9319-9326 (1990)
MEDLINE 90264427
PUBMED 2160973
FEATURES Location/Qualifiers 1. .80
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 19 a 28 c 20 g 13 t
ORIGIN

Query Match 1.6%; Score 38; DB 9; Length 80;
Best Local Similarity 100.0%; Pred. No. 9e-09;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2334 GGCCCTCCAAAGTCTGGATTACAGGGATGAGCCAC 2371
Db 21 GGCCCTCCAAAGTCTGGATTACAGGCATGAGCCAC 58

RESULT 9
AX158065 LOCUS AX158065 51 bp DNA linear PAT 22-JUN-2001
DEFINITION Sequence 1393 from Patent WO1405211.
ACCESSION AX158065
VERSION AX158065.1 GI:14539396
KEYWORDS SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 51)
AUTHORS Shimkets,R.A. and Leach,M.
TITLE Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
JOURNAL Patent: WO 0140521-A 1393 07-JUN-2001;
Coragen Corporation (US)
FEATURES Location/Qualifiers 1. .51
/organism="Homo sapiens"
/db_xref="taxon:9606"
misc_feature 26
/note="1 of 2 allelic variants (1394 is other entry)
Accession number cg2934507"
BASE COUNT 9 a 21 c 12 g 9 t
ORIGIN

Query Match 1.6%; Score 37; DB 6; Length 51;
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2318 GTGATCCGCCACCTGGCTCCAAAGTGCNGGAT 2354
Db 15 GTGATCCGCCACCTGGCTCCAAAGTGCNGGAT 51

RESULT 10
AX161490 LOCUS AX161490 51 bp DNA linear PAT 22-JUN-2001
DEFINITION Sequence 4818 from Patent WO1405211.

ORIGIN

Query Match Similarity 1.6%; Score 37; DB 6; Length 94;
Best Local Similarity 100.0%; Pred. No. 3.1e-08;
Matches 37; Conservative 0; Mismatches 0; Indels 0;
Gaps 0; Gaps 0;

DEFINITION Sequence 4980 from Patent WO0140521.

ACCESSION AX161652

VERSION AX161652.1 GI:14542983

KEYWORDS human.

SOURCE

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 51)

AUTHORS Shunkets, R.A. and Leach, M.

TITLE Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof

JOURNAL Patent: WO 0140521-A1 4980 07-JUN-2001;

FEATURES Curagen Corporation (US)
Location/Qualifiers

SOURCE 1..51
/organism="Homo sapiens"
/db_xref="taxon:9606"

misc_feature 26
/note="2 of 2 allelic variants (4979 is other entry)

BASE COUNT Accession number SG43979411, 10 a 13 c 17 g 11 t

ORIGIN

Query Match Similarity 1.5%; Score 36; DB 6; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 36; Conservative 0; Mismatches 0; Indels 0;
Gaps 0; Gaps 0;

DEFINITION Sequence 79 from Patent WO9918235.

ACCESSION A97233

VERSION A97233.1 GI:6780621

KEYWORDS unidentified.

SOURCE

ORGANISM unidentified

REFERENCE 1 (bases 1 to 56)

AUTHORS Abken, H.

TITLE PROCESSES FOR DETECTING, EXTRACTING OR REMOVING HUMAN OR MAMMALIAN
CELLS WITH A DISTURBED CELLULAR CYCLE REGULATION OR UNLIMITED
PROLIFERATION OR TUMOUR-FORMING ABILITY

JOURNAL Patent: WO 9918235 A 79 15-APR-1999;
ABKEN HINRICH (DE)

FEATURES Location/Qualifiers

SOURCE 1..76
/organism="unidentified"
/db_xref="taxon:32644"

BASE COUNT 14 a 24 c 22 g 16 t

ORIGIN

Query Match Similarity 1.5%; Score 36; DB 6; Length 76;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;



XX Disclosure; Page 57; 59pp; English.

PS ABN39842 standard; DNA; 60 BP.

XX ABN39842;

AC 15-JUL-2002 (first entry)

DT 06-OCT-2000 (first entry)

XX Human spliced transcript detection oligonucleotide SEQ ID NO:12590.

KW Human; mouse; rat; splice variant; transcript; detection; RNA transcript;

KW splice variant; transcript; oligonucleotide library; ss.

XX Homo sapiens.

OS XX

XX PN WO200210449-A2.

XX PD 07-FEB-2002.

XX PR 20-JUL-2001; 2001WO-IB01903.

XX PR 28-JUL-2000; 2000US-221607P.

PR 02-MAY-2001; 2001US-287724P.

PA (COMPE-) COMPUGEN INC.

XX PI Shoshan A, Wasserman A, Mintz E, Mintz L, Faigler S;

XX DR WPI; 2002-257383/30.

XX PT New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription unit of a genome, useful for detecting tissue-, pathology-, and developmental-specific genes.

XX PS Example 1; SEQ ID 12590; 47pp; English.

XX The present invention describes oligonucleotide libraries for detecting messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridizing selectively to a set of messenger RNAs transcribed from a given transcription unit of the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a biological sample, in expression profiling studies, in qualitative or quantitative characterising the corresponding transcriptome, and in detecting RNA transcripts and splice variants of human or animal

CC transriptomes. The libraries may also be used as specialised mini libraries to detect transcripts of a sub-transcriptome under a particular biological or pathological state, and so allowing the detection of tissue- and pathology-specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect developmental specific genes; and to detect RNA transcripts and splice variants of a transcriptome of a patient suffering from a particular disorder. ABN27253 to ABN59589 represent oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention.

CC N.B. The sequence data for this patent did not form part of the specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 73 BP; 17 A; 23 C; 11 G; 22 T; 0 other;

Query Match 3.1%; Score 73; DB 20; Length 73;

Best Local Similarity 100.0%; Pred. No. 5e-25;

Matches 73; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

SQ Sequence 60 BP; 10 A; 21 C; 16 G; 13 T; 0 other;

Query Match 2.5%; Score 60; DB 24; Length 60;

Best Local Similarity 100.0%; Pred. No. 1.1e-18;

Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 98 TGACCCGAGCTCTGCTTTCGAGCAGCCGACCGTCCCTCCCGATTAGTCGCCATA 157

Db 1 TGACCCGAGCTCTGCTTTCGAGCAGCCGACCGTCCCTCCCGATTAGTCGCCATA 60

XX

RESULT 3 AAC28711

ID AAC28711 standard; cDNA; 95 BP.

XX AAC28711;

AC 06-OCT-2000 (first entry)

DE Human secreted protein 5' EST, SEQ ID NO: 32786.

XX Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; KW gene therapy; chromosome mapping; ss.

XX Homo sapiens.

OS XX

PN EF033401-A2.

XX PD 06-SEP-2000.

XX PF 21-FEB-2000; 2000EP-0200610.

PR 26-FEB-1999; 99US-0122487.

PA (GEST) GENSET.

XX PI Dumas Milne Edwards J, Ducleart A, Giordano J;

XX DR WPI; 2000-300381/45.

XX The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. No ORF has yet been conclusively identified within the present sequence. The 5' ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from Oligo dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design

CC expression and secretion vectors
 XX Sequence 95 BP; 18 A; 23 C; 26 G; 28 T; 0 other;
 SQ Score 50; DB 21; Length 95;
 Query Match 2.1%; Score 50; DB 21; Length 95;
 Best Local Similarity 100.0%; Pred. No. 7.8e-14;
 Matches 50; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;
 Qy 2264 AGTAGAGACAGGGTTACCGGTGTAGCAGGATGGTCGATCCTGA 2313
 Db 1 AGTAGAGACAGGGTTACCGGTGTAGCAGGATGGTCGATCCTGA 50

RESULT 4
 AAZ69526
 ID AAZ69526 standard; DNA; 47 BP.
 XX
 AC AAZ69526;
 XX DT 10-SEP-2001 (first entry)
 DE Human map-related biallelic marker SEQ ID NO:3882.
 KW Human genome; biallelic marker; high density disequilibrium map;
 KW genomic map; haplotype; phenotype; polymorphic base; genotyping;
 KW haplotyping; hybridisation; identification; characterisation;
 KW diagnosis; single nucleotide polymorphism; SNP; ds.
 KW Homo sapiens.
 OS XX
 FH Key Location/Qualifiers
 FT Variation replace(24,T)
 FT /*tag= ^a /standard_name= "single nucleotide polymorphism"
 XX WD9954500-A2.
 PN PD 28-OCT-1999.
 XX PF 21-APR-1999; 99WO-TB00622.
 XX 21-APR-1998; 98US-0082614.
 PR 23-NOV-1998; 98US-0109732.
 XX PA (GEST) GENSET.
 PI Cohen D, Blumenfeld M, Chumakov I;
 XX WPI: 2000-013267/01.
 XX PT Novel biallelic markers used to construct a high density disequilibrium map of the human genome
 PT
 XX Claim 3: Page 1058; 2745pp; English.
 XX AA265654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ77440 represent amplification primers for the biallelic markers. The biallelic markers of the present invention have a variety of uses; they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the differential efficacious responses to and side effects from pharmaceutical agents acting on a disease as well as other treatment.
 N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the present invention.
 XX sequence 47 BP; 8 A; 14 C; 12 G; 13 T; 0 other;

06-SEP-2000; 200005S-0230437.
06-SEP-2000; 200005S-0231242.
08-SEP-2000; 200005S-0231243.
08-SEP-2000; 200005S-0231244.
08-SEP-2000; 200005S-0231413.
08-SEP-2000; 200005S-0231414.
08-SEP-2000; 200005S-0232081.
08-SEP-2000; 200005S-0232082.
12-SEP-2000; 200005S-0231968.
14-SEP-2000; 200005S-0231969.
14-SEP-2000; 200005S-0232398.
14-SEP-2000; 200005S-0232399.
14-SEP-2000; 200005S-0232400.
14-SEP-2000; 200005S-0232401.
14-SEP-2000; 200005S-0232403.
14-SEP-2000; 200005S-0233064.
14-SEP-2000; 200005S-0233065.
21-SEP-2000; 200005S-0234223.
21-SEP-2000; 200005S-0234224.
25-SEP-2000; 200005S-0234998.
26-SEP-2000; 200005S-0235484.
27-SEP-2000; 200005S-0235834.
27-SEP-2000; 200005S-0235836.
29-SEP-2000; 200005S-0236367.
29-SEP-2000; 200005S-0236368.
29-SEP-2000; 200005S-0236369.
29-SEP-2000; 200005S-0236370.
02-OCT-2000; 200005S-0236802.
02-OCT-2000; 200005S-0237037.
02-OCT-2000; 200005S-0237038.
02-OCT-2000; 200005S-0237039.
02-OCT-2000; 200005S-0237040.
13-OCT-2000; 200005S-0239935.
13-OCT-2000; 200005S-0239937.
20-OCT-2000; 200005S-0240960.
20-OCT-2000; 200005S-0241221.
20-OCT-2000; 200005S-0241785.
20-OCT-2000; 200005S-0241786.
20-OCT-2000; 200005S-0241787.
20-OCT-2000; 200005S-0241808.
20-OCT-2000; 200005S-0241809.
20-OCT-2000; 200005S-0241826.
01-NOV-2000; 200005S-0244617.
08-NOV-2000; 200005S-0246474.
08-NOV-2000; 200005S-0246475.
08-NOV-2000; 200005S-0246476.
08-NOV-2000; 200005S-0246477.
08-NOV-2000; 200005S-0246478.
08-NOV-2000; 200005S-0246523.
08-NOV-2000; 200005S-0246524.
08-NOV-2000; 200005S-0246525.
08-NOV-2000; 200005S-0246526.
08-NOV-2000; 200005S-0246527.
08-NOV-2000; 200005S-0246528.
08-NOV-2000; 200005S-0246532.
08-NOV-2000; 200005S-0246532.
08-NOV-2000; 200005S-0246609.
08-NOV-2000; 200005S-0246609.
08-NOV-2000; 200005S-0246611.
08-NOV-2000; 200005S-0246611.
17-NOV-2000; 200005S-0249201.
17-NOV-2000; 200005S-0249202.
17-NOV-2000; 200005S-0249203.
17-NOV-2000; 200005S-0249211.
17-NOV-2000; 200005S-0249211.
17-NOV-2000; 200005S-0249215.
17-NOV-2000; 200005S-0249216.
17-NOV-2000; 200005S-0249217.

KW Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation;
KW gene therapy; chromosome mapping; ss; 2001WO-US01338.

XX XX 17-JAN-2001; 2001WO-US01338.

XX XX PR 2000US-0179065.

OS PR 04-FEB-2000; 2000US-0180628.

XX PR 24-FEB-2000; 2000US-0184664.

PN PR 02-MAR-2000; 2000US-0186350.

XX PR 16-MAR-2000; 2000US-0188876.

PD PR 06-SEP-2000; 2000US-0190076.

XX PR 17-MAR-2000; 2000US-0190123.

PF PR 18-APR-2000; 2000US-0190123.

XX PR 19-MAY-2000; 2000US-0205515.

PR PR 07-JUN-2000; 2000US-0209467.

XX PR 28-JUN-2000; 2000US-0214886.

PA PR 30-JUN-2000; 2000US-0215135.

XX PR 07-JUL-2000; 2000US-0216647.

PI PR 07-JUL-2000; 2000US-0216880.

XX PR 11-JUL-2000; 2000US-0217487.

DR PR 11-JUL-2000; 2000US-0217496.

XX PR 14-JUL-2000; 2000US-0218290.

PR PR 26-JUL-2000; 2000US-0220963.

PT PR 07-AUG-2000; 2000US-0220964.

XX PR 14-AUG-2000; 2000US-0224519.

PS PR 14-AUG-2000; 2000US-0222213.

XX PR 14-AUG-2000; 2000US-0222214.

PS PR 14-AUG-2000; 2000US-0225166.

XX PR 14-AUG-2000; 2000US-0225267.

CC PR 14-AUG-2000; 2000US-0225268.

CC PR 14-AUG-2000; 2000US-022570.

CC PR 14-AUG-2000; 2000US-0225447.

CC PR 14-AUG-2000; 2000US-0225757.

CC PR 14-AUG-2000; 2000US-0225758.

CC PR 18-AUG-2000; 2000US-0225279.

CC PR 22-AUG-2000; 2000US-0226681.

CC PR 22-AUG-2000; 2000US-0226168.

CC PR 22-AUG-2000; 2000US-0227182.

CC PR 23-AUG-2000; 2000US-0227009.

CC PR 30-AUG-2000; 2000US-0228924.

XX PR 01-SEP-2000; 2000US-0229387.

SQ Sequence 76 BP; 19 A; 19 C; 25 G; 13 T; 0 other;

Query Match 1.9%; score 44; DB 21; Length 76;
Best Local Similarity 100.0%; **Pred. No.** 6.5e-11; **Length** 76;
Matches 44; **Conservative** 0; **Mismatches** 0; **Indels** 0; **Gaps** 0;

Qy 2285 TCTTAGCCAGGATGGCTCTGATCCTGACCTCGTGTATCGCCC 2328
Db 76 TCTTAGCCAGGATGGCTCTGATCCTGACCTCGTGTATCGCCC 33

RESULT 7
AAL37410/c
ID AAL37410 standard; DNA: 87 BP.

XX Human musculoskeletal system related polynucleotide SEQ ID NO 3755.

XX Human musculoskeletal system related polynucleotide SEQ ID NO 3755.

AC AAL37410;

XX DT 08-JAN-2002 (first entry)

XX Human musculoskeletal system related polynucleotide SEQ ID NO 3755.

XX Human musculoskeletal system related polynucleotide SEQ ID NO 3755.

KW Cyostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW antiallergic; hepatotrophic; antidiabetic; antiinflammatory; antilicer;
KW vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW neurological disease; infection; human; secreted protein;
KW musculoskeletal system; ds.

XX OS Homo sapiens.

XX PN WO2001553367-A1.

XX PR 29-SEP-2000; 2000US-0236327.

XX PR 29-SEP-2000; 2000US-0236367.

PD PR 29-SEP-2000; 2000US-0236368.

PR 29-SEP-2000; 2000US-0236369.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0236392.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 02-OCT-2000; 2000US-0237040.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.
 PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 01-NOV-2000; 2000US-0244617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0245523.
 PR 08-NOV-2000; 2000US-0245524.
 PR 08-NOV-2000; 2000US-0245525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 17-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249212.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249244.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249264.
 PR 17-NOV-2000; 2000US-0249655.
 PR 17-NOV-2000; 2000US-0249937.
 PR 17-NOV-2000; 2000US-0249939.
 PR 17-NOV-2000; 2000US-0249940.
 PR 01-DEC-2000; 2000US-0250160.
 PR 01-DEC-2000; 2000US-0250591.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251088.
 PR 06-DEC-2000; 2000US-0256719.
 PR 08-DEC-2000; 2000US-0251179.
 PR 08-DEC-2000; 2000US-0251156.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251069.
 PR 08-DEC-2000; 2000US-0251089.
 PR 11-DEC-2000; 2000US-0251990.
 PR 05-JAN-2001; 2001US-0259678.
 XX (HUMA-) HUMAN GENOME SCI. INC.
 XX PI, Rosen CA, Barash SC, Ruben SM;
 XX DR, WPI; 2001-451937/48.

PT Isolated polypeptide for treating, preventing and/ or prognosing
 PT disorders related to the musculoskeletal system including
 PT musculoskeletal cancers and also for testing and detection e.g.
 PT diagnosis -
 XX Example 2; SEQ ID NO 3775; 781pp + Sequence Listing; English.
 XX The invention relates to novel genes (AAL34669-AAL3766) and proteins
 CC (ABB01087-ABB0109) associated with the musculoskeletal system useful
 CC for preventing, treating or ameliorating medical conditions e.g. by
 CC protein or gene therapy. The genes are isolated from a range of human
 CC tissues disclosed in the specification. The nucleic acids, proteins,
 CC antibodies and (antagonists are useful in the diagnosis treatment,
 CC and prevention of: (a) cancer, e.g. breast and ovarian cancer and
 CC other cancers of the adrenal gland, bone marrow, breast,
 CC gastrointestinal tract, liver, lung, or urogenital; (b) immune
 CC disorders e.g. Addison's disease, allergies, autoimmune haemolytic
 CC anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
 CC multiple sclerosis, rheumatoid arthritis and ulcerative colitis;
 CC (c) cardiovascular disorders such as myocardial ischaemias, (d) wound
 CC healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy;
 CC and (f) infectious diseases such as viral, bacterial, fungal and
 CC parasitic infections.
 CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp://wipo.int/pub/published_pct_sequences.
 XX SQ Sequence 87 BP; 19 A; 23 C; 29 G; 16 T; 0 other;
 XX Query Match 1.8%; Score 42; DB 22; Length 87;
 XX Best Local Similarity 100.0%; Pred. No. 6.1e-10;
 XX Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 2319 TGATCCGCCACCTGGCCCTCCAAAGTGTGGATTACAGG 2360
 DB 48 TGATCCGCCACCTGGCTCCAAAGTGTGGATTACAGG 7
 RESULT 8
 ID ABA20222 standard; DNA; 100 BP.
 XX ABA20222;
 XX AC ABA20222;
 XX DT 23-JAN-2002 (first entry)
 XX DE Human nervous system related polynucleotide SEQ ID NO 12553.
 XX ID ABA20222 standard; DNA; 100 BP.
 XX KW Human; nootropic; neuroprotective; cytostatic; dermatological; virucide;
 KW immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnerary;
 KW antiparkinsonian; antisickling; antianæmic; antiarthritic; cancer;
 KW artirheumatic; hepatotropic; cerebroprotective; antinflammatory;
 KW antiallergic; antidiabetic; antiluler; anticonvulsant; antifungal;
 KW antiparasitic; cardiant; immune disorder; cardiovascular disorder;
 KW neurological disease; infection; nephrotropic; gene therapy; vaccine; ds.
 XX OS Homo sapiens.
 XX PN WO200159063-A2.
 XX PR 31-JAN-2000; 2000US-0179065.
 PR 04-FEB-2000; 2000US-0180628.
 PR 24-FEB-2000; 2000US-0184664.
 PR 02-MAR-2000; 2000US-0186350.
 PR 16-MAR-2000; 2000US-0189874.
 PR 17-MAR-2000; 2000US-0190076.
 PR 18-APR-2000; 2000US-0198123.
 PR 19-MAY-2000; 2000US-0205515.
 PR 07-JUN-2000; 2000US-0209467.

PR 28-JUN-2000; 20000US-0214886.
 PR 30-JUN-2000; 20000US-0215135.
 PR 07-JUL-2000; 20000US-0216547.
 PR 07-JUL-2000; 20000US-0215880.
 PR 11-JUL-2000; 20000US-0217487.
 PR 11-JUL-2000; 20000US-0217496.
 PR 14-JUL-2000; 20000US-0215290.
 PR 14-JUL-2000; 20000US-0215290.
 PR 26-JUL-2000; 20000US-0220963.
 PR 26-JUL-2000; 20000US-0220964.
 PR 14-AUG-2000; 20000US-0224518.
 PR 14-AUG-2000; 20000US-0225159.
 PR 14-AUG-2000; 20000US-0225179.
 PR 14-AUG-2000; 20000US-0225213.
 PR 14-AUG-2000; 20000US-0225214.
 PR 14-AUG-2000; 20000US-0225666.
 PR 14-AUG-2000; 20000US-0225758.
 PR 14-AUG-2000; 20000US-0225759.
 PR 14-AUG-2000; 20000US-0225767.
 PR 14-AUG-2000; 20000US-0225768.
 PR 14-AUG-2000; 20000US-0225770.
 PR 14-AUG-2000; 20000US-0225847.
 PR 14-AUG-2000; 20000US-0225757.
 PR 14-AUG-2000; 20000US-0225758.
 PR 14-AUG-2000; 20000US-0225759.
 PR 18-AUG-2000; 20000US-0226279.
 PR 22-AUG-2000; 20000US-0226581.
 PR 22-AUG-2000; 20000US-0226568.
 PR 22-AUG-2000; 20000US-0227182.
 PR 23-AUG-2000; 20000US-0227009.
 PR 30-AUG-2000; 20000US-0228924.
 PR 01-SEP-2000; 20000US-0229287.
 PR 01-SEP-2000; 20000US-0229343.
 PR 01-SEP-2000; 20000US-0229344.
 PR 01-SEP-2000; 20000US-0229345.
 PR 05-SEP-2000; 20000US-0229509.
 PR 05-SEP-2000; 20000US-0229513.
 PR 06-SEP-2000; 20000US-0229537.
 PR 06-SEP-2000; 20000US-0230338.
 PR 08-SEP-2000; 20000US-0231242.
 PR 08-SEP-2000; 20000US-0231243.
 PR 08-SEP-2000; 20000US-0231244.
 PR 08-SEP-2000; 20000US-0231413.
 PR 08-SEP-2000; 20000US-0231414.
 PR 08-SEP-2000; 20000US-0232080.
 PR 08-SEP-2000; 20000US-0232081.
 PR 12-SEP-2000; 20000US-0231988.
 PR 14-SEP-2000; 20000US-0232397.
 PR 14-SEP-2000; 20000US-0232398.
 PR 14-SEP-2000; 20000US-0232399.
 PR 14-SEP-2000; 20000US-0232400.
 PR 14-SEP-2000; 20000US-0232401.
 PR 14-SEP-2000; 20000US-0233053.
 PR 14-SEP-2000; 20000US-0233064.
 PR 21-SEP-2000; 20000US-0233065.
 PR 21-SEP-2000; 20000US-0234223.
 PR 21-SEP-2000; 20000US-0234274.
 PR 25-SEP-2000; 20000US-0234937.
 PR 25-SEP-2000; 20000US-0234938.
 PR 26-SEP-2000; 20000US-0235484.
 PR 27-SEP-2000; 20000US-0235834.
 PR 27-SEP-2000; 20000US-0235836.
 PR 29-SEP-2000; 20000US-0236327.
 PR 29-SEP-2000; 20000US-0236367.
 PR 29-SEP-2000; 20000US-0236368.
 PR 29-SEP-2000; 20000US-0236369.
 PR 29-SEP-2000; 20000US-0236370.
 PR 02-OCT-2000; 20000US-0236802.
 PR 02-OCT-2000; 20000US-0237037.
 PR 02-OCT-2000; 20000US-0237038.
 PR 02-OCT-2000; 20000US-0237039.
 PR 13-OCT-2000; 20000US-0237040.
 PR 13-OCT-2000; 20000US-0239935.
 PR 20-OCT-2000; 20000US-0240960.
 PR 20-OCT-2000; 20000US-0241785.
 PR 20-OCT-2000; 20000US-0241786.

PR 08-NOV-2000; 20000US-0246475.
 PR 08-NOV-2000; 20000US-0246476.
 PR 08-NOV-2000; 20000US-0246477.
 PR 08-NOV-2000; 20000US-0246528.
 PR 08-NOV-2000; 20000US-0246532.
 PR 08-NOV-2000; 20000US-0246609.
 PR 08-NOV-2000; 20000US-0246524.
 PR 08-NOV-2000; 20000US-0246525.
 PR 08-NOV-2000; 20000US-0246526.
 PR 08-NOV-2000; 20000US-0246527.
 PR 08-NOV-2000; 20000US-0246528.
 PR 08-NOV-2000; 20000US-0246478.
 PR 08-NOV-2000; 20000US-0246479.
 PR 08-NOV-2000; 20000US-0246610.
 PR 08-NOV-2000; 20000US-0246611.
 PR 08-NOV-2000; 20000US-0246613.
 PR 08-NOV-2000; 20000US-0249207.
 PR 08-NOV-2000; 20000US-0249208.
 PR 08-NOV-2000; 20000US-0249209.
 PR 08-NOV-2000; 20000US-0249210.
 PR 08-NOV-2000; 20000US-0249211.
 PR 08-NOV-2000; 20000US-0249212.
 PR 08-NOV-2000; 20000US-0249213.
 PR 08-NOV-2000; 20000US-0249214.
 PR 08-NOV-2000; 20000US-0249215.
 PR 08-NOV-2000; 20000US-0249216.
 PR 08-NOV-2000; 20000US-0249217.
 PR 08-NOV-2000; 20000US-0249218.
 PR 08-NOV-2000; 20000US-0249219.
 PR 08-NOV-2000; 20000US-0249224.
 PR 08-NOV-2000; 20000US-0249224.
 PR 08-NOV-2000; 20000US-0249225.
 PR 08-NOV-2000; 20000US-0249226.
 PR 08-NOV-2000; 20000US-02492265.
 PR 08-NOV-2000; 20000US-0249227.
 PR 08-NOV-2000; 20000US-0249218.
 PR 08-NOV-2000; 20000US-0249219.
 PR 08-NOV-2000; 20000US-0249220.
 PR 08-NOV-2000; 20000US-0249221.
 PR 08-NOV-2000; 20000US-0249222.
 PR 08-NOV-2000; 20000US-0249223.
 PR 08-NOV-2000; 20000US-0249224.
 PR 08-NOV-2000; 20000US-0249225.
 PR 08-NOV-2000; 20000US-0249226.
 PR 08-NOV-2000; 20000US-0249227.
 PR 08-NOV-2000; 20000US-0249228.
 PR 08-NOV-2000; 20000US-0249229.
 PR 08-NOV-2000; 20000US-0249230.
 PR 08-NOV-2000; 20000US-0249231.
 PR 01-DEC-2000; 20000US-0251160.
 PR 01-DEC-2000; 20000US-0251030.
 PR 05-DEC-2000; 20000US-0251988.
 PR 05-DEC-2000; 20000US-0256719.
 PR 06-DEC-2000; 20000US-0251479.
 PR 08-DEC-2000; 20000US-0251856.
 PR 08-DEC-2000; 20000US-0251868.
 PR 08-DEC-2000; 20000US-0251169.
 PR 08-DEC-2000; 20000US-0251989.
 PR 08-DEC-2000; 20000US-0251990.
 PR 11-DEC-2000; 20000US-0251097.
 PR 05-JAN-2001; 20010US-0259678.
 XX (HUMA-) HUMAN GENOME SCI INC.
 PA PA Rosen CA, Barash SC, Ruben SM;
 PI PI Disclosure: SEQ ID NO 12553; 1701PP + Sequence Listing; English.
 XX XX WPI: 2001-541565/60.

XX The invention relates to novel genes (ABA11004 -ABA21534) and proteins
 CC (ABA14678 -ABA18001) useful for preventing, treating or ameliorating
 PT medical conditions e.g. by protein or gene therapy. The genes are
 CC isolated from a range of human tissues disclosed in the specification.
 CC The nucleic acids, proteins, antibodies and (ant)agonists are useful
 CC in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast
 CC

CC and ovarian cancer and other cancers of the adrenal gland, bone, bone
 CC marrow, breast, gastrointestinal tract, liver, lung, or urogenital;
 CC (b) immune disorders e.g. Addison's disease, allergies, autoimmune
 CC haemolytic anaemia, autoimmunity, diabetes mellitus, Crohn's
 CC disease, multiple sclerosis, rheumatoid arthritis and ulcerative
 CC colitis; (c) cardiovascular disorders such as myocardial ischaemias;
 CC (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and
 CC epilepsy; and (f) infectious diseases such as viral, bacterial, fungal
 CC and parasitic infections.
 CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp://wipo.int/pub/published_pct_sequences.

XX Sequence 100 BP; 22 A; 30 C; 26 G; 22 T; 0 other;

SQ AAC11994/c AAC11994 standard; cDNA: 86 BP.

XX AC AAC11994;

XX DT 06-OCT-2000 (first entry)

XX DE Human secreted protein 5' EST, SEQ ID NO: 19069.

XX KW Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation;

XX KW gene therapy; chromosome mapping; ss.

XX Homo sapiens.

XX PN EP1033401-A2.

XX PD 06-SEP-2000.

XX PF 21-FEB-2000; 20000EP-02000610.

XX PR 26-FEB-1999; 990US-0122487.

XX PA (GEST) GENSET.

XX Dumas Milne Edwards J, Duclert A, Giordano J;

XX PI SEQ ID 19059; 71PP + CD-ROM; English.

XX DR 2000-500381/45.

XX New nucleic acid that is a 5' expressed sequence tag (5' EST) for
 PT identifying secreted proteins. The 5' ESTs were prepared from
 PT total human RNAs and genomic DNAs derived from 30 different tissues. EST
 PT sequences usually correspond mainly to the 3' untranslated region (UTR)
 XX of the mRNA because they are often obtained from Oligo-dT primed cDNA
 CC libraries. Such ESTs are not well suited for isolating cDNA sequences
 CC derived from the 5' ends of mRNAs and even in those cases where longer
 CC cDNA sequences have been obtained, the full 5' UTR is rarely included.
 CC 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be
 CC used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used
 CC in diagnostic, forensic, gene therapy and chromosome mapping procedures.
 CC They are used to obtain upstream regulatory sequences and to design
 CC expression and secretion vectors.

XX Sequence 86 BP; 24 A; 21 C; 24 G; 17 T; 0 other;
 SQ Query Match 1.7%; Score 41; DB 21; Length 86;
 CC Best Local Similarity 100.0%; Pred. No. 1.9e-09;
 CC Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 CC Qy 2284 GTGTAGCCAGGATGGTCTGATCCCTGATGCC 2324
 CC Db 62 GTGTAGCCAGGATGGTCTGATCTCGACCTCGTGCATCC 22
 XX
 RESULT 10
 ID AAK8355 standard; DNA: 99 BP.
 XX AC AAK8355;
 XX DT 07-NOV-2001 (first entry)
 XX DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO: 38347.
 XX KW Human; immune; haematopoietic; immune/haemopoietic antigen; cancer;
 KW cytostatic; gene therapy; vaccine; metastasis; ds.
 XX OS Homo sapiens.
 XX PN WC200157182-A2.
 XX PD 09-AUG-2001.
 XX PF 17-JAN-2001; 2001W0-US01354.
 XX PR 31-JAN-2000; 2000US-0179065.
 XX PR 04-FEB-2000; 2000US-0180028.
 XX PR 24-FEB-2000; 2000US-0184664.
 XX PR 02-MAR-2000; 2000US-0186350.
 XX PR 16-MAR-2000; 2000US-0189874.
 XX PR 17-MAR-2000; 2000US-0190076.
 XX PR 18-APR-2000; 2000US-0198123.
 XX PR 19-MAY-2000; 2000US-0205515.
 XX PR 07-JUN-2000; 2000US-0209467.
 XX PR 28-JUN-2000; 2000US-0214896.
 XX PR 30-JUN-2000; 2000US-0215135.
 XX PR 07-JUL-2000; 2000US-0216647.
 XX PR 07-JUL-2000; 2000US-0216880.
 XX PR 11-JUL-2000; 2000US-0217487.
 XX PR 11-JUL-2000; 2000US-0217496.
 XX PR 14-JUL-2000; 2000US-0218290.
 XX PR 26-JUL-2000; 2000US-0220963.
 XX PR 26-JUL-2000; 2000US-0220964.
 XX PR 14-AUG-2000; 2000US-0224538.
 XX PR 14-AUG-2000; 2000US-0224519.
 XX PR 14-AUG-2000; 2000US-0225213.
 XX PR 14-AUG-2000; 2000US-0225214.
 XX PR 14-AUG-2000; 2000US-0225266.
 XX PR 14-AUG-2000; 2000US-0225267.
 XX PR 14-AUG-2000; 2000US-0225268.
 XX PR 14-AUG-2000; 2000US-0225270.
 XX PR 14-AUG-2000; 2000US-0225467.
 XX PR 14-AUG-2000; 2000US-0225757.
 XX PR 14-AUG-2000; 2000US-0225758.
 XX PR 18-AUG-2000; 2000US-0226229.
 XX PR 22-AUG-2000; 2000US-0226681.
 XX PR 22-AUG-2000; 2000US-0226868.
 XX PR 22-AUG-2000; 2000US-0227152.
 XX PR 23-AUG-2000; 2000US-0227099.
 XX PR 30-AUG-2000; 2000US-0229281.
 XX PR 01-SEP-2000; 2000US-0229343.
 XX PR 01-SEP-2000; 2000US-0229344.
 XX PR 01-SEP-2000; 2000US-0229345.

PR	17-NOV-2000;	200005-0249216.	PR	17-NOV-2000;	200005-0249217.
05-SEP-2000;	200005-0229513.	PR	17-NOV-2000;	200005-0249218.	
05-SEP-2000;	200005-0229514.	PR	17-NOV-2000;	200005-0249244.	
06-SEP-2000;	200005-0230437.	PR	17-NOV-2000;	200005-0249245.	
06-SEP-2000;	200005-0230438.	PR	17-NOV-2000;	200005-0249264.	
08-SEP-2000;	200005-0231242.	PR	17-NOV-2000;	200005-0249265.	
08-SEP-2000;	200005-0231243.	PR	17-NOV-2000;	200005-0249297.	
08-SEP-2000;	200005-0231244.	PR	17-NOV-2000;	200005-0249299.	
08-SEP-2000;	200005-0231413.	PR	17-NOV-2000;	200005-0249300.	
08-SEP-2000;	200005-0231414.	PR	01-DEC-2000;	200005-0250160.	
08-SEP-2000;	200005-0232080.	PR	01-DEC-2000;	200005-0250391.	
08-SEP-2000;	200005-0232081.	PR	05-DEC-2000;	200005-0251030.	
12-SEP-2000;	200005-0231958.	PR	05-DEC-2000;	200005-0251031.	
14-SEP-2000;	200005-0232397.	PR	05-DEC-2000;	200005-0251988.	
14-SEP-2000;	200005-0232398.	PR	05-DEC-2000;	200005-0256719.	
14-SEP-2000;	200005-0232399.	PR	06-DEC-2000;	200005-0251479.	
14-SEP-2000;	200005-0234200.	PR	08-DEC-2000;	200005-0251856.	
14-SEP-2000;	200005-0234401.	PR	08-DEC-2000;	200005-0251868.	
14-SEP-2000;	200005-02333033.	PR	08-DEC-2000;	200005-0251869.	
14-SEP-2000;	200005-02333064.	PR	08-DEC-2000;	200005-0251989.	
14-SEP-2000;	200005-0233065.	PR	08-DEC-2000;	200005-0251990.	
21-SEP-2000;	200005-02334223.	PR	11-DEC-2000;	200005-0254097.	
21-SEP-2000;	200005-0234274.	PR	05-JAN-2001;	200005-0259678.	
25-SEP-2000;	200005-0234997.	XX	XX	XX	
25-SEP-2000;	200005-0234998.	PA	(HUMA-) HUMAN GENOME SCI INC.	PA	
26-SEP-2000;	200005-0235484.	XX	XX	XX	
27-SEP-2000;	200005-0235834.	PI	Rosen CA, Barash SC, Ruben SM;	PI	
27-SEP-2000;	200005-0235836.	XX	XX	XX	
29-SEP-2000;	200005-0236322.	WPI	2001-483426/52.	WPI	
29-SEP-2000;	200005-0236367.	XX	Nucleic acids encoding human immune/hematopoietic antigen polypeptides, useful for preventing, diagnosing and/or treating cancers and metastasis	PT	
29-SEP-2000;	200005-0236368.	XX	metastasis	PT	
02-OCT-2000;	200005-0236369.	XX	Disclosure; SEQ ID NO 38347; 3071pp + Sequence Listing; English.	PS	
29-SEP-2000;	200005-0236370.	XX	PR	XX	
02-OCT-2000;	200005-0236802.	XX	PR	XX	
02-OCT-2000;	200005-0237037.	XX	PR	XX	
02-OCT-2000;	200005-0237038.	XX	PR	XX	
02-OCT-2000;	200005-0237039.	XX	PR	XX	
02-OCT-2000;	200005-0237040.	XX	AAK64702 encode the human immune/haematopoietic antigen (I) amino acid sequences given in AAK62170 to AAK91921. (I) have cytosatic activity, and can be used in gene therapy and vaccine production. (I) proteins and polynucleotides may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate (I) expression. For example, they may be used to treat disorders associated with decreased expression by rectifying mutations or deletions in a patient's genome that affect the activity of (I) by expressing inactive proteins or to supplement the patients own production of (I). Additionally, (I) polynucleotides may be used to produce the secreted (I) by inserting the nucleic acids into a host cell and culturing the cell to express the protein. (I) Proteins and polynucleotides may be used to prevent, diagnose and treat immune/hematopoietic-related diseases, especially cancers and cancer metastases of haematopoietic-derived cells. AAK64703 to AAK8794 represent human immune/haematopoietic antigen genomic sequences from the present invention. AAK54942 to AAK54930 and AAK62169 represent sequences used in the exemplification of the present invention.	CC	
02-OCT-2000;	200005-0241786.	XX	CC	CC	
20-OCT-2000;	200005-0241787.	XX	CC	CC	
13-OCT-2000;	200005-0239935.	XX	CC	CC	
13-OCT-2000;	200005-0239936.	XX	CC	CC	
20-OCT-2000;	200005-0240960.	XX	CC	CC	
20-OCT-2000;	200005-0241221.	XX	CC	CC	
20-OCT-2000;	200005-0241785.	XX	CC	CC	
01-NOV-2000;	200005-0244617.	XX	CC	CC	
08-NOV-2000;	200005-0244786.	XX	CC	CC	
08-NOV-2000;	200005-0241787.	XX	CC	CC	
20-OCT-2000;	200005-0241808.	XX	CC	CC	
20-OCT-2000;	200005-0241809.	XX	CC	CC	
20-OCT-2000;	200005-0241826.	XX	CC	CC	
01-NOV-2000;	200005-0244617.	XX	CC	CC	
08-NOV-2000;	200005-0244674.	XX	CC	CC	
08-NOV-2000;	200005-0246475.	XX	CC	CC	
08-NOV-2000;	200005-0246476.	XX	CC	CC	
08-NOV-2000;	200005-0246477.	XX	CC	CC	
08-NOV-2000;	200005-0246478.	XX	CC	CC	
08-NOV-2000;	200005-0246523.	XX	CC	CC	
08-NOV-2000;	200005-0246524.	XX	CC	CC	
08-NOV-2000;	200005-0246525.	XX	CC	CC	
08-NOV-2000;	200005-0246526.	XX	CC	CC	
08-NOV-2000;	200005-0246527.	XX	CC	CC	
08-NOV-2000;	200005-0246528.	XX	CC	CC	
08-NOV-2000;	200005-0246532.	XX	CC	CC	
08-NOV-2000;	200005-0246609.	XX	CC	CC	
08-NOV-2000;	200005-0246611.	XX	CC	CC	
08-NOV-2000;	200005-0246613.	XX	CC	CC	
17-NOV-2000;	200005-0249207.	XX	CC	CC	
17-NOV-2000;	200005-0249208.	XX	CC	CC	
17-NOV-2000;	200005-0249209.	XX	CC	CC	
17-NOV-2000;	200005-0249210.	XX	CC	CC	
17-NOV-2000;	200005-0249211.	XX	CC	CC	
17-NOV-2000;	200005-0249212.	XX	CC	CC	
17-NOV-2000;	200005-0249213.	XX	CC	CC	
17-NOV-2000;	200005-0249215.	XX	CC	CC	
		RESULT 11	AAK8591		
		ID	AAK8591 standard; DNA; 99 BP.		
		Qy	2330 CCTCGCTCCAAAGTGGATTAGGGATGAGCCA 2369		
		Db	60 CCTCGGCCCTCCAAAGTGGATTAGGGATGAGCCA 99		
			07-NOV-2001 (first entry)		

DE	Human immune/haematopoietic antigen genomic sequence SEQ ID NO:41403.	PR	21-SEP-2000;	2000US-0234223.
XX	Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;	PR	21-SEP-2000;	2000US-0234274.
KW	cytostatic; gene therapy; vaccine; metastasis; ds.	PR	25-SEP-2000;	2000US-0234997.
KW		PR	25-SEP-2000;	2000US-0234998.
XX		PR	26-SEP-2000;	2000US-0235084.
OS	Homo sapiens.	PR	27-SEP-2000;	2000US-0235824.
XX	W02001571B2-A2.	PR	27-SEP-2000;	2000US-0235836.
PN		PR	29-SEP-2000;	2000US-0236327.
XX		PR	29-SEP-2000;	2000US-0236367.
PD	09-AUG-2001.	PR	29-SEP-2000;	2000US-0236368.
XX	17-JAN-2001; 2001WO-US01354.	PR	29-SEP-2000;	2000US-0236369.
PF		PR	29-SEP-2000;	2000US-0236370.
XX		PR	02-OCT-2000;	2000US-0236802.
PR	31-JAN-2000; 2000US-0179065.	PR	02-OCT-2000;	2000US-0237038.
PR	04-FEB-2000; 2000US-0180628.	PR	02-OCT-2000;	2000US-0237039.
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PR	02-MAR-2000; 2000US-0186150.	PR	13-OCT-2000;	2000US-0239915.
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PR	17-MAR-2000; 2000US-0190076.	PR	20-OCT-2000;	2000US-0240960.
PR	18-APR-2000; 2000US-0198123.	PR	20-OCT-2000;	2000US-0241221.
PR	19-MAY-2000; 2000US-0205115.	PR	20-OCT-2000;	2000US-0241785.
PR	07-JUN-2000; 2000US-0203467.	PR	20-OCT-2000;	2000US-0241786.
PR	28-JUN-2000; 2000US-0211886.	PR	20-OCT-2000;	2000US-0241787.
PR	30-JUN-2000; 2000US-0215135.	PR	20-OCT-2000;	2000US-0241808.
PR	07-JUL-2000; 2000US-0216647.	PR	20-OCT-2000;	2000US-0241809.
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PR	11-JUL-2000; 2000US-0217496.	PR	08-NOV-2000;	2000US-0246474.
PR	14-JUL-2000; 2000US-0216290.	PR	08-NOV-2000;	2000US-0246475.
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PR	14-AUG-2000; 2000US-0221664.	PR	08-NOV-2000;	2000US-0246478.
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PR	14-AUG-2000; 2000US-0224519.	PR	08-NOV-2000;	2000US-0246524.
PR	14-AUG-2000; 2000US-0225131.	PR	08-NOV-2000;	2000US-0246525.
PR	14-AUG-2000; 2000US-0225134.	PR	08-NOV-2000;	2000US-0246610.
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PR	18-AUG-2000; 2000US-0225159.	PR	08-NOV-2000;	2000US-0246527.
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PR	14-AUG-2000; 2000US-0225170.	PR	08-NOV-2000;	2000US-0246530.
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PR	14-AUG-2000; 2000US-0225174.	PR	08-NOV-2000;	2000US-0246609.
PR	14-AUG-2000; 2000US-0225175.	PR	08-NOV-2000;	2000US-0246610.
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PR	14-AUG-2000; 2000US-0225180.	PR	17-NOV-2000;	2000US-0249207.
PR	14-AUG-2000; 2000US-0225181.	PR	17-NOV-2000;	2000US-0249208.
PR	22-AUG-2000; 2000US-0226168.	PR	17-NOV-2000;	2000US-0249209.
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PR	30-AUG-2000; 2000US-0228924.	PR	17-NOV-2000;	2000US-0249217.
PR	01-SEP-2000; 2000US-0229287.	PR	17-NOV-2000;	2000US-0249212.
PR	05-SEP-2000; 2000US-0229438.	PR	17-NOV-2000;	2000US-0249213.
PR	01-SEP-2000; 2000US-0229444.	PR	17-NOV-2000;	2000US-0249214.
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PR	14-SEP-2000; 2000US-0233364.			
PR	14-SEP-2000; 2000US-0233365.			

CC of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion vectors.

XX Sequence 67 BP; 17 A; 11 C; 18 G; 21 T; 0 other;

SQ Query Match 1.6%; Score 38; DB 21; Length 67;

Best Local Similarity 100.0%; Pred. No. 5.4e-08; Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX DE Human secreted protein 5' EST, SEQ ID NO: 28108.

XX KW Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation;

KW gene therapy; chromosome mapping; ss;

XX OS Homo sapiens.

XX EP1033401-A2.

XX PD 06-SEP-2000.

XX PF 21-FEB-2000; 2000EP-0200610.

XX PR 26-FEB-1999; 99US-0122487.

XX PA (GEST) GENSET.

XX Dumas Milne Edwards J, Duclert A, Giordano J;

XX WPI; 2000-500381/45.

XX New nucleic acid that is a 5' expressed sequence tag (5' EST) for

PT obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for diagnostic, forensic, gene therapy and chromosome mapping procedures -

XX Claim 1: SEQ ID 28108; 71PP + CD-ROM; English.

CC The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. No ORF has yet been conclusively identified within the present sequence. The 5' ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion vectors.

XX Sequence 79 BP; 14 A; 21 C; 18 G; 26 T; 0 other;

Query	Match	Best Local Similarity	Score	Length	DB	21;	DB	21;	Length	79;		
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Db	40	CCAGGATGGCTCGATCTCTGACTCTGATCGCC	77									
RESULT 15												
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AC												
XX												
DT	07-NOV-2001	(first entry)										
XX												
DE	Human immune/haematopoietic antigen	genomic sequence SEQ ID NO:339925.										
XX												
KW	Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytosolic; gene therapy; vaccine; metastasis; ds.											
XX												
OS	Homo sapiens.											
XX												
PN	WO200157182-A2.											
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XX												
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PR	19-MAY-2000;	2000US-0205515.										
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PR	30-JUN-2000;	2000US-0215135.										
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PR	30-AUG-2000;	2000US-0228924.										
PR	01-SEP-2000;	2000US-0229287.										
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PR	05-SEP-2000;	2000US-0229345.										
PR	05-SEP-2000;	2000US-0229513.										
PR	06-SEP-2000;	2000US-0230437.										



GenCore version 5.1.3
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title: US-10-005-344-1

perfect score: 2372

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- 4: /cgn2_6/ptodata/2/ina/6B_COMBO.seq:*
- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMBO.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	73	3.1	73	3	US-09-073-567-49	Sequence 49, Appl
2	39	1.6	85	2	US-08-557C-92	Sequence 92, Appl
3	39	1.6	85	2	US-08-340-42D-92	Sequence 92, Appl
4	39	1.6	85	5	PCT-US95-17111A-92	Sequence 92, Appl
5	39	1.6	85	5	PCT-US95-17111A-92	Sequence 17, Appl
6	35	1.5	40	4	US-09-550-699-17	Sequence 1, Appl
7	30	1.3	40	4	US-09-060-02A-1	Sequence 20, Appl
8	29	1.2	29	4	US-09-540-699-20	Sequence 57, Appl
9	29	1.2	60	2	US-08-454-557C-57	Sequence 57, Appl
10	29	1.2	60	2	US-08-42D-57	Sequence 57, Appl
11	29	1.2	60	2	US-08-450-673C-57	Sequence 57, Appl
12	29	1.2	60	5	PCT-US95-17111A-57	Sequence 57, Appl
13	29	1.2	76	2	US-08-454-557C-69	Sequence 69, Appl
14	29	1.2	76	2	US-08-340-42D-69	Sequence 69, Appl
15	29	1.2	76	2	US-08-450-673C-69	Sequence 69, Appl
16	29	1.2	76	5	PCT-US95-17111A-69	Sequence 27, Appl
17	28	1.2	28	2	US-08-859-998-27	Sequence 28, Appl
18	28	1.2	28	2	US-08-859-998-28	Sequence 27, Appl
19	28	1.2	28	4	US-09-22D-92B-27	Sequence 28, Appl
20	28	1.2	28	4	US-09-225-92B-28	Sequence 27, Appl
21	28	1.2	28	4	US-09-690-699-16	Sequence 27, Appl
22	26	1.1	26	4	US-09-280-805-270	Sequence 270, Appl
23	26	1.1	26	4	US-09-540-699-18	Sequence 18, Appl
24	26	1.1	35	1	US-09-805-889-10	Sequence 10, Appl
25	25	1.1	35	1	US-09-280-805-271	Sequence 271, Appl
26	25	1.1	25	4	US-09-149-144	Sequence 4, Appl
27	25	1.1	25	4	US-09-257-240-14	Sequence 257, Appl

RESULT 1
US-09-073-567-49/C
; Sequence 49, Application US/09073567
; Patent No. 6013786
; GENERAL INFORMATION:
; APPLICANT: Jiandong Chen
; APPLICANT: Sudhir Agrawal
; APPLICANT: Ruiwen Chen
; TITLE OF INVENTION: MDM2-SPECIFIC ANTISENSE OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonald Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive, 32nd Floor
; CITY: Chicago
; STATE: IL
; COUNTRY: United States of America
; ZIP: 60606
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/073,567
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Greenfield, Michael S.
; REGISTRATION NUMBER: 37,147
; REFERENCE/DOCKET NUMBER: 98, 057-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 913-0001
; TELEFAX: (312) 913-0002
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 73 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-09-073-567-49

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Best Local Similarity 100.0%; Pred. No. 6 7e-24;
Matches 27; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
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Db 73 AGGTACATCTGTGAGTGGAGAACAGGTGTCACCTGAAAGTGGAGTGTACAAAGGACCT 14
 QY 725 TGTACAAGAGCTT 737
 Db 13 TGTACAAGAGCTT 1

RESULT 2
 Sequence 92, Application US/08454557C
 Patent No. 5830570
 GENERAL INFORMATION:
 APPLICANT: Wands, Jack R.
 de la Monte, Suzanne
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 of Alzheimer's Disease
 NUMBER OF SEQUENCES: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3934

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/454,557C
 FILING DATE: 30-MAY-1995
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Ludwig, Steven R.
 REGISTRATION NUMBER: 36,203
 REFERENCE/DOCKET NUMBER: 0609.3840003
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 92:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 85 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 US-08-454-557C-92

Query Match 1.6%; Score 39; DB 2; Length 85;
 Best Local Similarity 100.0%; Pred. No. 2.2e-08;
 Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2290 GCCAGGATGGTCGATCTGACCTCGTGTGATCCGGCC 2328
 Db 9 GCGAGGATGGTCGATCTGACCTCGTGTGATCCGGCC 47

RESULT 4
 Sequence 92, Application US/08450673C
 Patent No. 5948388
 GENERAL INFORMATION:
 APPLICANT: de la Monte, Suzanne
 Wands, Jack R.
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 of Alzheimer's Disease
 NUMBER OF SEQUENCES: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3934

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/450,673C
 FILING DATE: 30-MAY-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Ludwig, Steven R.
 REGISTRATION NUMBER: 36,203
 REFERENCE/DOCKET NUMBER: 0609.3840004
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 92:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 85 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both

Qy 2290 GCCAGGATGGTCGATCTGACCTCGTGTGATCCGGCC 2328
 Db 9 GCGAGGATGGTCGATCTGACCTCGTGTGATCCGGCC 47

RESULT 3
 Sequence 92, Application US/08340426D
 Patent No. 5948344
 GENERAL INFORMATION:
 APPLICANT: Wands, Jack R.
 de la Monte, Suzanne
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 of Alzheimer's Disease
 NUMBER OF SEQUENCES: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, Suite 600
 STATE: D.C.
 COUNTRY: U.S.A.

US-08-450-673C-92
 Query Match 1.6%; Score 39; DB 2; Length 85;
 Best Local Similarity 100.0%; Pred. No. 2.2e-08;
 Matches 39; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;
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 Db 9 GCCAGGATGGCTCGATCTCGATCTCGATCTCGATCGGCC 47

RESULT 5
 PCT US95-1711A-92
 ; Sequence 92, Application PC/TUS951711A
 ; GENERAL INFORMATION:
 ; APPLICANT: de la Monte, Suzanne
 ; ATTORNEY: Landis, Jack R.
 ; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
 ; NUMBER OF SEQUENCES: 121
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005-3034
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/TUS95/1711A
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/340,426
 ; FILING DATE: 14-NOV-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ludwig, Steven R.
 ; REGISTRATION NUMBER: 36,203
 ; REFERENCE/DOCKET NUMBER: 0609 38400002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 371-2600
 ; TELEFAX: (202) 371-2540
 ; INFORMATION FOR SEQ ID NO: 92:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 85 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: both
 ; TOPOLOGY: both
 PCT-US95-1711A-92

Query Match 1.6%; Score 39; DB 5; Length 85;
 Best Local Similarity 100.0%; Pred. No. 2.2e-08;
 Matches 39; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;
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 Db 9 GCCAGGATGGCTCGATCTCGATCTCGATCTCGATCGGCC 47

RESULT 6
 US-09-510-699-17
 ; Sequence 17, Application US/09540699
 ; Patent No. 638752
 ; GENERAL INFORMATION:
 ; APPLICANT: Agrawal, Sudhir
 ; APPLICANT: Kandimalla, Ekambhar R.
 ; TITLE OF INVENTION: Pseudo-Cyclic Oligonucleobases
 ; FILE REFERENCE: 99,128-B
 ; CURRENT APPLICATION NUMBER: US/09/540,699

CURRENT FILING DATE: 2000-03-31
 ; PRIORITY NUMBER: US 60/127,138
 ; PRIOR FILING DATE: 1999-03-31
 ; PRIORITY NUMBER: US 60/174,642
 ; PRIORITY NUMBER: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 17
 ; LENGTH: 40
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide
 ; OTHER INFORMATION: that is complementary to a portion of the human
 ; OTHER INFORMATION: mRNA
 ; OTHER INFORMATION: MDM2 mRNA
 ; OTHER INFORMATION: US-09-540-699-17

Query Match 1.5%; Score 35; DB 4; Length 40;
 Best Local Similarity 100.0%; Pred. No. 1.5e-06;
 Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Query 664 CAGGTACATCTGTAGTGAAACAGGTTGACCTT 698
 Db 6 CAGGTACATCTGTAGTGAAACAGGTTGACCTT 40

RESULT 7
 US-09-060-023A-1/C
 ; Sequence 1, Application US/09060023A
 ; Patent No. 6301642
 ; GENERAL INFORMATION:
 ; APPLICANT: Rasnits, Michael A.
 ; APPLICANT: Larionov, Vladimir L.
 ; APPLICANT: Kuprina, Natalya Y.
 ; APPLICANT: Perkins, Edith L.
 ; TITLE OF INVENTION: TRANSFORMATION-ASSOCIATED RECOMBINATION
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Needle & Rosenberg, P.C.
 ; STREET: Suite 1200, 127 Peachtree Street, N.E.
 ; CITY: Atlanta
 ; STATE: Georgia
 ; COUNTRY: USA
 ; ZIP: 30303-1811
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/060,023A
 ; FILING DATE: April 14, 1998
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/11478
 ; FILING DATE: JULY 9, 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perryman, David G.
 ; REGISTRATION NUMBER: 33,438
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 404-688-0770
 ; TELEFAX: 404-688-9880
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 40 bases
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-09-060-023A-1
 ; Query Match 1.3%; Score 30; DB 4; Length 40;

Best Local Similarity 100.0%; Pred. No. 0.00029;
 Matches 30; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

RESULT 8
 US-09-540-699-20/C
 ; Sequence 20, Application US/09540699
 ; Patent No. 6383752
 ; GENERAL INFORMATION:
 ; APPLICANT: Agrawal, Sudhir
 ; Kandimalla, Ekanbar R.
 ; TITLE OF INVENTION: Pseudo-cyclic Oligonucleobases
 ; FILE REFERENCE: 99-128-B
 ; CURRENT APPLICATION NUMBER: US/09/540,699
 ; CURRENT FILING DATE: 2000-03-31
 ; PRIOR APPLICATION NUMBER: US 60/127,138
 ; PRIOR FILING DATE: 1999-03-31
 ; PRIORITY NUMBER: US 60/174,642
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 20
 ; LENGTH: 29
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: MDM2 mRNA
 ; OTHER INFORMATION: probe; +338 to +389.
 ; US-09-540-699-20

Query Match 1.2%; Score 29; DB 2; Length 60;
 Best Local Similarity 100.0%; Pred. No. 0.00081;
 Matches 29; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

RESULT 10
 US-08-340-426D-57
 ; Sequence 57, Application US/08340426D
 ; Patent No. 5948334
 ; GENERAL INFORMATION:
 ; APPLICANT: de la Monte, Suzanne
 ; Wands, Jack R.
 ; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 ; NUMBER OF SEQUENCES: 121
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; Z.I.P: 20005-3934
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/340,426D
 ; FILING DATE: 14-NOV-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ludwig, Steven R.
 ; REGISTRATION NUMBER: 36,203
 ; REFERENCE/DOCKET NUMBER: 0609.3840002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 371-2540
 ; FAX: (202) 371-2600
 ; INFORMATION FOR SEQ ID NO: 57:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 60 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: both
 ; TOPOLOGY: both
 ; US-08-340-426D-57

Query Match 1.2%; Score 29; DB 2; Length 60;
 Best Local Similarity 100.0%; Pred. No. 0.00081;
 Matches 29; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

RESULT 11
 US-08-450-673C-57
 ; Sequence 57, Application US/08450673C

Patent No. 5948888
 GENERAL INFORMATION:
 APPLICANT: de la Monte, Suzanne
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 NUMBER OF INVENTION: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3934
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US08/450,673C
 FILING DATE: 30-MAY-1995
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Ludwig, Steven R.
 REGISTRATION NUMBER: 36, 203
 REFERENCE DOCKET NUMBER: 0609.38400004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 57:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 60 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 US-08-450-673C-57

Query Match 1.2%; Score 29; DB 2%; Length 60;
 Best Local Similarity 100.0%; Pred. No. 0.00081;
 Matches 29; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 2260 TTTAGTAGAGACAGGGTTACCGTGT 2288
 Db 25 TTTAGTAGAGACAGGGTTACCGTGT 53

RESULT 12
 PCT-US95-17111A-57
 Sequence 57, Application PC/TUS9517111A
 GENERAL INFORMATION:
 APPLICANT: de la Monte, Suzanne
 ATTORNEY/AGENT INFORMATION:
 NAME: Ludwig, Steven R.
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
 NUMBER OF SEQUENCES: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.C.
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.
 ZIP: 20005-3934
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US08/454,557C
 FILING DATE: 30-MAY-1995
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Ludwig, Steven R.
 TITLE OF INVENTION: Neural Thread Protein Gene Expression and
 Detection of Alzheimer's Disease
 NUMBER OF SEQUENCES: 121
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.C.
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.
 ZIP: 20005-3934
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/17111A
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:

```

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,673C
FILING DATE: 30-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609 . 3840004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-450-673C-69

Query Match 1.28; Score 29; DB 2; Length 76;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2260 TTTAGTAGAGACAGGGTTACCGTGT 2288
Db 25 TTTAGTAGAGACAGGGTTACCGTGT 53

Search completed: January 11, 2003, 08:57:11
Job time : 90 secs

RESULT 15
US-08-450-673C-69
sequence 69, Application US/08450673C
Patent No. 5948888
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
APPLICANT: Wands, Jack R.
TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
TITLE OF INVENTION: of Alzheimer's Disease
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,426D
FILING DATE: 14-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609 . 3840004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 69:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-340-426D-69

Query Match 1.28; Score 29; DB 2; Length 76;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2260 TTTAGTAGAGACAGGGTTACCGTGT 2288
Db 25 TTTAGTAGAGACAGGGTTACCGTGT 53

RESULT 15
US-08-450-673C-69
sequence 69, Application US/08450673C
Patent No. 5948888
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
APPLICANT: Wands, Jack R.
TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
TITLE OF INVENTION: of Alzheimer's Disease
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible

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FILE REFERENCE: 15966-638
 CURRENT APPLICATION NUMBER: US/09/761,288
 ; PRIOR APPLICATION NUMBER: 2001-01-16
 ; PRIOR APPLICATION NUMBER: 60/177,839
 ; PRIOR FILING DATE: 2000-01-25
 ; PRIOR APPLICATION NUMBER: 60/176,134
 ; PRIOR FILING DATE: 2000-01-14
 ; PRIOR APPLICATION NUMBER: 60/175,989
 ; PRIOR FILING DATE: 2000-01-13
 ; PRIOR APPLICATION NUMBER: 60/218,324
 ; PRIOR FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: 60/220,253
 ; PRIOR FILING DATE: 2000-07-24
 ; PRIOR APPLICATION NUMBER: 60/178,191
 ; PRIOR FILING DATE: 2000-07-26
 ; PRIOR APPLICATION NUMBER: 60/178,227
 ; PRIOR FILING DATE: 2000-01-16
 ; PRIOR APPLICATION NUMBER: 60/220,590
 ; PRIOR FILING DATE: 2000-07-25
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 41
 ; LENGTH: 94
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-761-288-41

Query Match 1.3%; Score 32; DB 10; Length 94;
 Best Local Similarity 100.0%; Pred. No. 1.1e-05;
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2286 GTTAGCCAGGATGGATGCTCGATCTCTGACCTC 2317
 Db 94 GTTAGCCAGGATGGATGCTCGATCTCTGACCTC 63

RESULT 6
 US-09-761-288-48
 ; Sequence 48, Application US/09761288
 ; Patent No. US20020065405A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Prayaga, Sudhirdas
 ; APPLICANT: Taupier, Raymond J
 ; APPLICANT: Mishra, Vishnu
 ; APPLICANT: Tchernev, Valizar
 ; APPLICANT: Spytak, Kimberly
 ; APPLICANT: Li, Li
 ; TITLE OF INVENTION: No. US20020065405A1 Polypeptides and Nucleic Acids Encoding Sam
 ; FILE REFERENCE: 15966-638
 ; CURRENT APPLICATION NUMBER: US/09/761,288
 ; CURRENT FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: 60/177,839
 ; PRIOR FILING DATE: 2000-01-25
 ; PRIOR APPLICATION NUMBER: 60/176,134
 ; PRIOR FILING DATE: 2000-01-14
 ; PRIOR APPLICATION NUMBER: 60/175,989
 ; PRIOR FILING DATE: 2000-01-13
 ; PRIOR APPLICATION NUMBER: 60/175,989
 ; PRIOR FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: 60/218,324
 ; PRIOR FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: 60/220,253
 ; PRIOR FILING DATE: 2000-07-24
 ; PRIOR APPLICATION NUMBER: 60/178,191
 ; PRIOR FILING DATE: 2000-01-16
 ; PRIOR APPLICATION NUMBER: 60/178,227
 ; PRIOR FILING DATE: 2000-01-25
 ; PRIOR APPLICATION NUMBER: 60/176,134
 ; PRIOR FILING DATE: 2000-01-14
 ; PRIOR APPLICATION NUMBER: 60/175,989
 ; PRIOR FILING DATE: 2000-01-13
 ; PRIOR APPLICATION NUMBER: 60/218,324
 ; PRIOR FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: 60/220,253
 ; PRIOR FILING DATE: 2000-07-24
 ; SEQ ID NO: 47
 ; LENGTH: 96
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-761-288-47

Query Match 1.2%; Score 29; DB 10; Length 96;
 Best Local Similarity 100.0%; Pred. No. 0.00031;
 Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2330 CCTCGGCTCCCAAAGTGCCTGGATTCAC 2358
 Db 50 CCTCGGCTCCCAAAGTGCCTGGATTCAC 22

RESULT 8
 US-09-764-847-1866/C
 ; Sequence 1866, Application US/09764847
 ; Patent No. US200013276A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PC009
 ; CURRENT APPLICATION NUMBER: US/09/764,847
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 2003

SEQ ID NO: 48
 LENGTH: 94
 TYPE: DNA

:
 SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1866
 ; LENGTH: 98
 ; TYPE: DNA
 ; ORGANISM: *Homo sapiens*
 US-09-764-847-1866

Query Match 1.2%; Score 29; DB 10; Length 98;
 Best Local Similarity 100.0%; Pred. No. 0.00031;
 Matches 29; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 2330 CCTGGCTCCAAAGCTGGATTACA 2358
 Db 29 CCTGGCTCCAAAGCTGGATTACA 1

RESULT 9
 US-09-764-847-1867/c
 ; Sequence 1867, Application US/09764847
 ; Patent No. US20020132767A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PC009
 ; CURRENT APPLICATION NUMBER: US/09/764.847
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION DATA REMOVED - CONSULT PALM OR FILE WRAPPER
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1867
 ; TYPE: DNA
 ; ORGANISM: *Homo sapiens*
 US-09-764-847-1867

Query Match 1.2%; Score 29; DB 10; Length 98;
 Best Local Similarity 100.0%; Pred. No. 0.00031;
 Matches 29; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 2330 CCTGGCTCCAAAGCTGGATTACA 2358
 Db 29 CCTGGCTCCAAAGCTGGATTACA 1

RESULT 10
 US-09-225 201-27
 ; Sequence 27, Application US/09225201
 ; Patent No. US2001000774A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chenchik, Alex
 ; Jokhadze, George
 ; Bibashvili, Robert
 ; TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
 ; NUMBER OF SEQUENCES: 1375
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Bozicevic, Field & Francis LLP
 ; STREET: 200 Middlefield Road, Suite 200
 ; CITY: Menlo Park
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 94025
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows95
 ; SOFTWARE: FASTSEQ FOR WINDOWS VERSION 2.0
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 05-Jan-1999
 ; CLASSIFICATION: <Unknown>
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/225,201
 ; FILING DATE: 21-MAY-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Field, Bret E.
 ; REGISTRATION NUMBER: 37,620
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-327-3400
 ; TELEFAX: 650-327-3231
 ; INFORMATION FOR SEQ ID NO: 28:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 28 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA

:
 OTHER INFORMATION: Oligonucleotide primer
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
 ; US-09-225-201-27

Query Match 1.2%; Score 28; DB 10; Length 28;
 Best Local Similarity 100.0%; Pred. No. 0.00094;
 Matches 28; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 920 GGAGATATGGTGTGAAGAAGCAGTAGC 947
 Db 1 GGAGATATGGTGTGAAGAAGCAGTAGC 28

RESULT 11
 US-09-225-201-28/c
 ; Sequence 28, Application US/09225201
 ; Patent No. US2001000774A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chenchik, Alex
 ; Jokhadze, George
 ; Bibashvili, Robert
 ; TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
 ; NUMBER OF SEQUENCES: 1375
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Bozicevic, Field & Francis LLP
 ; STREET: 200 Middlefield Road, Suite 200
 ; CITY: Menlo Park
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 94025
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows95
 ; SOFTWARE: FASTSEQ FOR WINDOWS VERSION 2.0
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 05-Jan-1999
 ; CLASSIFICATION: <Unknown>
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/225,201
 ; FILING DATE: 21-MAY-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Field, Bret E.
 ; REGISTRATION NUMBER: 37,620
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-327-3400
 ; TELEFAX: 650-327-3231
 ; INFORMATION FOR SEQ ID NO: 28:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 28 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA

```

Db 40 CCTCGGCCCTCCAAAGTGTGGATTAC 67
;
; FEATURE: OTHER INFORMATION: Oligonucleotide primer
; SEQUENCE DESCRIPTION: SEQ ID NO: 28:
; US-09-225-201-28

Query Match 1.2%; Score 28; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 0. 0.0094; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1204 CCTTAGCTGACTATGGAAATGCACTC 1231
Db 28 CCTTAGCTGACTATGGAAATGCACTC 1

RESULT 12
; Sequence 127, Application US/09920300A
; Patent No. US20020135728A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Sechrist, Heather
; APPLICANT: Xu, Jianchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547
; CURRENT APPLICATION NUMBER: US/09/920,300A
; CURRENT FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 1789
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1278
; LENGTH: 84
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-920-300A-1278

Query Match 1.2%; Score 28; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 0. 0.0094; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1204 CCTTAGCTGACTATGGAAATGCACTC 1231
Db 28 CCTTAGCTGACTATGGAAATGCACTC 1

RESULT 12
; Sequence 127, Application US/09920300A
; Patent No. US20020135728A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Sechrist, Heather
; APPLICANT: Xu, Jianchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547
; CURRENT APPLICATION NUMBER: US/09/920,300A
; CURRENT FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 1789
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1278
; LENGTH: 84
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-920-300A-1278

Query Match 1.2%; Score 28; DB 10; Length 84;
Best Local Similarity 100.0%; Pred. No. 0. 0.0096; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2330 CCTCGGCCCTCCAAAGTGTGGATTAC 2357
Db 40 CCTCGGCCCTCCAAAGTGTGGATTAC 67

RESULT 13
; Sequence 1278, Application US/100333528
; Patent No. US20020131971A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jianchun
; APPLICANT: Sechrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547C1
; CURRENT APPLICATION NUMBER: US/10/033,528
; CURRENT FILING DATE: 2001-12-26
; NUMBER OF SEQ ID NOS: 1896
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1278
; LENGTH: 84
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-033-528-1278

Query Match 1.2%; Score 28; DB 12; Length 84;
Best Local Similarity 100.0%; Pred. No. 0. 0.0096; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2330 CCTCGGCCCTCCAAAGTGTGGATTAC 2357
Db 40 CCTCGGCCCTCCAAAGTGTGGATTAC 67

RESULT 14
; Sequence 1719, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION DATA REMOVED - REFER TO PALM OR FILE WRAPPER
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1719
; LENGTH: 88
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-869-1719

Query Match 1.2%; Score 28; DB 10; Length 88;
Best Local Similarity 100.0%; Pred. No. 0. 0.0096; Indels 0; Gaps 0;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2330 CCTCGGCCCTCCAAAGTGTGGATTAC 2357
Db 61 CCTCGGCCCTCCAAAGTGTGGATTAC 88

RESULT 15
; Sequence 1052/C, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09/764,860
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION DATA REMOVED - CONSULT PALM OR FILE WRAPPER
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1052
; LENGTH: 84
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-860-1052

Query Match 1.1%; Score 27; DB 10; Length 84;
Best Local Similarity 100.0%; Pred. No. 0. 0.0229; Indels 0; Gaps 0;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 2330 CCTCGGCCCTCCAAAGTGTGGATTAC 2356
Db 27 CCTCGGCCCTCCAAAGTGTGGATTAC 1

Search completed: January 11, 2003, 08:59:12
Job time : 109 secs

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result No.	Score	Query Match Length	DB ID	Description
8				
1	43	1.8	100	13 BG933527
2	41	1.7	50	9 AW059824 LE8e11..9
3	41	1.7	55	10 AW059824 AW255505 xn0810..x
4	38	1.6	93	10 AW255505 R703474 xn1f10..x
5	38	1.6	94	10 AW255474 R70333 R70733 y146d12..r1
6	37	1.6	37	14 R70333
SUMMARIES				
<p>Bred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.</p>				
REFERENCES				
<p>1. (bases 1 to 100) Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nacai, M.A., da Silveira, W. Jr., Zago, M.A., Bordin, S., Coste, F.F., Goldman, G.H., Carvalho, A.F., Matsuoka, A., Baia, G.S., Simpson, D.H., Brustein, A., de oliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J., and Simpson, A.J.</p>				
<p>Shogun sequencing of the human transcriptome with ORF expressed sequence tags</p>				
<p>Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)</p>				
TITLE				
<p>JOURNAL MEDLINE</p>				
<p>COMMENT</p>				
<p>20102663 Contact: Simpson A.J.G. Laboratory of Cancer Genetics Ludwig Institute for Cancer Research Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP, Brazil Tel: +55-11-2704922 Fax: +55-11-2707001</p>				
ALIGNMENTS				
<p>RESULT 1 BG983527/c</p>				
<p>LOCUS PM0-CN0155-090301-004-a12 Cn0155 Homo sapiens CDNA, mRNA sequence.</p>				
<p>DEFINITION BG983527</p>				
<p>ACCESSION BG983527.1</p>				
<p>VERSION GI:14386262</p>				
<p>KEYWORDS EST.</p>				
<p>SOURCE Homo sapiens</p>				
<p>ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Romo.</p>				
<p>REFERENCE 1 (bases 1 to 100) Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M.R., Nacai, M.A., da Silveira, W. Jr., Zago, M.A., Bordin, S., Coste, F.F., Goldman, G.H., Carvalho, A.F., Matsuoka, A., Baia, G.S., Simpson, D.H., Brustein, A., de oliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare, M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J., and Simpson, A.J.</p>				
<p>SEQUENCE</p>				
<p>Copyright (c) 1993 - 2003 Compugen Ltd.</p>				
<p>GenCore version 5.1.3</p>				
<p>Copyright (c) 1993 - 2003 Compugen Ltd.</p>				
<p>GenCore - nucleic search, using sw model</p>				
<p>Copyright (c) 1993 - 2003 Compugen Ltd.</p>				
<p>January 11, 2003, 03:15:17 ; Search time 3329 Seconds (without alignments)</p>				
<p>11539.710 Million cell updates/sec</p>				
<p>Title: US-10-005-344-1</p>				
<p>Score: 2372</p>				
<p>Sequence: 1 gacccggcgagcttggctg.....attacaggatggccacccg 2372</p>				
<p>Scoring table: OLIGO_NUC</p>				
<p>Gap cost: 60.0 , Gap ext: 60.0</p>				
<p>Scanned: 16154066 seeds, 8097743376 residues</p>				
<p>Scanned size : 0</p>				
<p>Total number of hits satisfying chosen parameters: 357874</p>				
<p>Minimum DB seq length: 0</p>				
<p>Maximum DB seq length: 100</p>				
<p>Post-processing: Listing first 45 summaries</p>				
<p>Database : EST:*</p>				
<p>1: em_estba:*</p>				
<p>2: em_estbh:*</p>				
<p>3: em_estbi:*</p>				
<p>4: em_estmi:*</p>				
<p>5: em_estov:*</p>				
<p>6: em_estp1:*</p>				
<p>7: em_estp2:*</p>				
<p>8: em_htc:*</p>				
<p>9: gb_est1:*</p>				
<p>10: gb_est2:*</p>				
<p>11: gb_htc:*</p>				
<p>12: gb_est3:*</p>				
<p>13: gb_est4:*</p>				
<p>14: gb_est5:*</p>				
<p>15: em_estun:*</p>				
<p>16: em_estun:*</p>				
<p>17: gb_gss:*</p>				
<p>18: em_gss_hum:*</p>				
<p>19: em_gss_inv:*</p>				
<p>20: em_gss_ljn:*</p>				
<p>21: em_gss_yrt:*</p>				
<p>22: em_gss_fun:*</p>				
<p>23: em_gss_nam:*</p>				
<p>24: em_gss_mus:*</p>				
<p>25: em_gss_other:*</p>				
<p>26: em_gss_pro:*</p>				
<p>27: em_gss_rdn:*</p>				

Email: asimpson@ludwig.org.br
 This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
 (<http://www.ludwig.org.br/scripts/gethm12.pl?t1=PM06t2=PM0-CN0155-090301-004-a12&t3=2001-03-09&t4=1>)
 Seq primer: Puc 18 forward
 High quality sequence stop: 99.

FEATURES

Location/Qualifiers

1. .100
 /organism="Homo sapiens"
 /db_xref="txon:9606"
 /clone_idb="KAI157"
 /dev_stage="Adult"
 /note="Organ: colon-normal; Vector: puc18; Site: 1: SmaI;
 Site_2: SmaI; A mini-t-library was made by cloning products
 derived from ORESTES PCR (U.S. Letters Patent Application
 No. 196,716 - Ludwig Institute for Cancer Research)
 profiles into the pUC 18 vector. Reverse transcription of
 tissue mRNA and cDNA amplification were performed under
 low stringency conditions."
 BASE COUNT 34 a 24 c 22 g 19 t 1 others

ORIGIN

Query Match 1.8%; Score 43; DB 13; Length 100;
 Best Local Similarity 100.0%; Pred. No. 6e-08;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2285 TGTAGCCAGGATGTCCTGCTGACCTGTCGATCCGCC 2327
 Db 45 TGTAGCCAGGATGGCTCCATCTGACCTGTCGATCCGCC 3

RESULT 2

LOCUS AU104029 50 bp mRNA linear EST 30-AUG-2001
 DEFINITION AU104029 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
 KAI157, mRNA sequence.

ACCESSION AU104029
 VERSION AU104029.1
 KEYWORDS EST.
 SOURCE Homo sapiens
 ORGANISM Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 50)
 AUTHORS Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Sugano, A., and Sugano, S.
 TITLE Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
 JOURNAL EMBO Rep. 2 (5), 388-393 (2001)
 MEDLINE 21270072
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 Email: yusuzuki@ims.u-tokyo.ac.jp
 Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Sugano, A. and Sugano S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).

FEATURES

Location/Qualifiers

1. .50
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_idb="KAI157"
 /note="Sugano Homo sapiens cDNA library"
 /note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"

BASE COUNT 9 a 11 c 16 g 14 t

ORIGIN

Query Match 1.7%; Score 41; DB 9; Length 50;
 Best Local Similarity 100.0%; Pred. No. 5.6e-07;

FEATURES

Location/Qualifiers

1. .100
 /organism="Homo sapiens"
 /db_xref="txon:9606"
 /clone_idb="KAI157"
 /dev_stage="Adult"
 /note="Organ: colon-normal; Vector: puc18; Site: 1: SmaI;
 Site_2: SmaI; A mini-t-library was made by cloning products
 derived from ORESTES PCR (U.S. Letters Patent Application
 No. 196,716 - Ludwig Institute for Cancer Research)
 profiles into the pUC 18 vector. Reverse transcription of
 tissue mRNA and cDNA amplification were performed under
 low stringency conditions."
 BASE COUNT 34 a 24 c 22 g 19 t 1 others

ORIGIN

Query Match 1.8%; Score 43; DB 13; Length 100;
 Best Local Similarity 100.0%; Pred. No. 6e-08;
 Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2274 GGTTTCACCGTGTAGCAGATGGTCCGATCTCCGATCTCCGAC 2314
 Db 10 GGTTTCACCCGTAGCAGATGGTCCGATCTCCGAC 50

RESULT 3

LOCUS AW059824
 DEFINITION LE8ell1.yg DNC15 Homo sapiens cDNA, mRNA linear EST 23-AUG-2000
 ACCESSION AW059824
 VERSION AW059824.1
 KEYWORDS EST.
 SOURCE Homo sapiens
 ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 55)
 AUTHORS Brenner, S., Williams, S.R., Verma, E.H., Storch, T., Moon, K., McCollum, C., Mao, J.-I., Kirchner, J.J., Elieff, S., Dubridge, R.B., Burcham, T., and Albrecht, G.

TITLE In vitro cloning of complex mixtures of DNA on microbeads: Physical separation of differentially expressed cDNAs
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 97 (4), 1665-1670 (2000)

COMMENT Contact: Burcham, TS
 LYNX Therapeutics, Inc.
 25861 Industrial Blvd., Hayward, CA 94545, USA
 Tel: 510 670 9338
 Fax: 510 670 9302
 Email: tmb@lynxgen.com

Sequence obtained from LYNX Therapeutics Megasort technology.
 Collected from the down-regulated gate.
 High quality sequence stop: 55.

FEATURES

Source

1. .55
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_idb="DNC15"
 /cell_line="TIB-1 (TIB-21)"
 /note="Vector: pCR2.1; Cloning of PCR products from micro-beads carrying 3' end of down-regulated cDNA. THP-1 cells non-induced (treated with DMSO only)."
 BASE COUNT 11 a 19 c 15 g 10 t
 ORIGIN

Query Match 1.7%; Score 41; DB 10; Length 55;
 Best Local Similarity 100.0%; Pred. No. 5.5e-07;
 Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2320 GATCCGCCACCTCGGCTCCCAAATGCTGGATTACGG 2360
 Db 1 GATCCGCCACCTCGGCTCCCAAATGCTGGATTACGG 41

RESULT 4

LOCUS AW275505/c
 DEFINITION xn08f10.x1 NCI_GAP_L15 Homo sapiens cDNA clone IMAGE:2693131_3
 SOURCE human
 ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 93)
 AUTHORS NCI-NCAP <http://www.ncbi.nlm.nih.gov/ncicbap>.
 TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index

Query Match	Score 37; DB 14; Length 37;	SOURCE	human
Best Local Similarity	100.0%	PRED.	No. 3.7e-05;
Matches 37; Conservative	0; Mismatches 0;	Indels 0;	Gaps 0;
Qy 23304	CCCTGGCTCCAAAGTGGCTGGGATTACAGGCATGAG 2366		
Db 1	CCCTGGCTCCAAAGTGGCTGGGATTACAGGCATGAG 37		
RESULT 7			
F24490/c			
LOCUS	F24490	80 bp	mRNA linear
DEFINITION	HSPD10834	HM3	Homo sapiens cDNA clone s4000013A06, mRNA sequence.
VERSION	F24490.1	GI:4810116	
KEYWORDS	EST.		
SOURCE	Homo sapiens		
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
REFERENCE	1 (bases 1 to 80)		
AUTHORS	Lafranchi, G., Muraro, T., Caldara, F., Paccioni, B., Pallavicini, A., Pandolfo, D., Toppo, S., Trevisan, S., Scarso, S. and Valle, G.		
TITLE	Identification of 4370 expressed sequence tags from a 3'-end-specific cDNA library of human skeletal muscle by DNA sequencing and filter hybridization		
JOURNAL	Genome Res. 6 (1), 35-42 (1996)		
MEDLINE	96276048		
COMMENT	Contact: Valle G. CRIBI Biotechnology Centre University of Padua Via Trieste 75, 35121 Padua, Italy ABI Chromatograms and other information are available on WWW at http://grup.bio.unipd.it/		
FEATURES	Location/Qualifiers		
FEATURES	1..80		
SOURCE	organism="Homo sapiens" /db_xref="taxon:9606" /clone="s4000013A06" /clone_id="110" /sex="Female"		
BASE COUNT			
ORIGIN			
COMMENT	/tissue-type="pectoral muscle (after mastectomy)" /note="Vector: pcDNAII (Invitrogen); Site:1: BstXI; Site:2: NotI; The library was constructed by G. Lafranchi. This library was not subtracted nor normalized. The first strand cDNA was primed with a biotinylated oligo-dT-NotI primer (5'-biotin-AACCGGGTCGAGCGCTTTTTTTTT-3'). The ds cDNA was sonicated and size-selected in the range 350-550 bp. The 3' specific fragments were selected by streptavidin coated magnetic beads, ligated to non-palindromic BstXI adaptors. NotI digested and directionally cloned into BstXI-NotI cut pcDNAII vector."		
BASE COUNT	18 a 21 c 19 g 22 t		
ORIGIN			
Query Match	Score 37; DB 14; Length 80;	SOURCE	human
Best Local Similarity	100.0%	PRED.	No. 3e-05;
Matches 37; Conservative	0; Mismatches 0;	Indels 0;	Gaps 0;
Qy 23344	GGCTTCCAAAGTGGCTGGGATTACAGGCATGAGCCAC 2370		
Db 80	GGCTTCCAAAGTGGCTGGGATTACAGGCATGAGCCAC 44		
RESULT 8			
AZ756775			
LOCUS	AZ756775	90 bp	DNA linear
DEFINITION	ew01e07.x1 PAN3/FKHR CASTing Library, ew' Homo sapiens genomic clone ew01e07 random, DNA sequence.		
ACCESSION	AZ756775	GI:13176230	
VERSION			
KEYWORDS			
RESULT 9			
BH770627/c			
LOCUS	BH770627	54 bp	DNA linear
DEFINITION	LIMGtgc385 MG1363 Random Sequence Tag Library Lactococcus lactis		
ACCESSION	BH770627		
VERSION	BH770627.1	GI:20373584	
KEYWORDS			
ORGANISM	Lactococcus lactis subsp. cremoris.		
	Lactococcus lactis subsp. cremoris.		
	Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;		
REFERENCE	1 (bases 1 to 54)		
AUTHORS	Bolotin, A., Ehrlich, S.D. and Sorokin, A.		
JOURNAL	Studies of genomes of dairy bacteria Lactococcus lactis		
COMMENT	Sci. Aliments, (2002) In press		
INRA	INRA INRA, Domaine de Vilvert, 78352 Jouy en Josas cedex, France		
	Tel: 33 1 34 65 25 16		
	Fax: 33 1 34 65 25 21		
	Email: sorokine@jouy.inra.fr		

element; mRNA sequence.
 ACCESSION AA082335
 VERSION 1
 EST. AA082335.1
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE Hillier, L., Lemion, G., Becker, M., Bonaldo, M.F., Chiapelli, B.,
 Chissoe, S., Diehr, N., Dubois, T., Favello, A., Gish, W., Hawkins
 M., Hultman, M., Kucaba, T., Lacy, M., Le, N., Mardis, E., Moore
 B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfs, T.,
 Schellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevaskis, E.,
 Underwood, K., Wohldmann, P., Watson, R., Wilson, R., and Maura, M.,
 Generation and analysis of 280,000 human expressed sequence tags
 Genome Res. 6 (9), 807-828 (1996)
 JOURNAL 9704478
 COMMENT Contact: Wilson RK
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 This clone is available royalty-free through LLNL; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Seq primer: -40h13 fwd. from Amersham.

FEATURES Location/Qualifiers
 source 1..59
 /organism="Homo sapiens"
 /db_xref="GDB:3926650"
 /db_xref="Taxon:9606"
 /clone IMAGE:545134
 /clone.lib="Stratagene neuroepithelial cells"
 /dev_stage="NTera-2/RA+MI neuroepithelial cells"
 /lab_host="SOLR (kanamycin resistant)"
 /note="Vector: PBluescript SK-; Site 1: ECORI; Site 2:
 XbaI; Cloned unidirectionally; Primer: Oligo dT, NT2
 (NTera-2/c1-d1) precursor cells induced with Retinoic
 Acid for 1 week, followed by 3 weeks in mitotic inhibitors
 (Replicate #2); Average insert size: 1.1 kb; Uni-ZAP XR
 Vector; -5' adaptor sequence: 5'-GAACTCGGACCGAG 3'-;
 adaptor sequence: 5'-CTCGAATTTTTTTTTTTTTTTTT 3'-"
 BASE COUNT 11 a 14 c 16 g 18 t
 ORIGIN

Query Match 1.5%; Score 35; DB 9; Length 59;
 Best Local Similarity 100.0%; Prod. No. 0.00025;
 Matches 39; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 96)
 AUTHORS Touchman, J.W., Bouffard, G.G., Weintraub, L.A., Idol, J.R., Wang, L.,
 Robbins, C.M., Nussbaum, J.C., Lovett, M., and Green, E.D.
 TITLE 2006 expressed sequence tags derived from human Chromosome
 7-enriched cDNA libraries
 JOURNAL Genome Res. 7 (3), 281-292 (1997)
 MEDLINE 97228905
 COMMENT Contact: Eric D. Green
 Genome Technology Branch
 National Human Genome Research Institute/NIH
 49 Convent Dr., MSC4431, Building 49, Room 2A08, Bethesda, MD 20892
 Tel: 301/4020201
 Fax: 301/4024755
 Email: egreen@hgri.nih.gov
 Plate: 05 row: B column: 09
 Seq primer: -21M13 (ABI)
 Location/Qualifiers

FEATURES Source
 source 1..96
 /organism="Homo sapiens"
 /db_xref="Taxon:9606"
 /clone IMAGE:705B09
 /clone.lib="Chromosome 7 Placental cDNA Library"
 /sex="Female"
 /dev_stage="placenta obtained at birth (full term)"
 /lab_host="E. coli strain DH5 alpha".

RESULT 13
 ACCESSION BE515208/c
 VERSION 1
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 84)
 AUTHORS NIH-MGC http://mcg.ncbi.nih.gov/
 TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished (1999)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabbs@mail.nih.gov

/note="Organ: placenta; Vector: pAMP10; cDNA was generated from cytoplasmic RNA using a mixture of random DNA hexamers and oligo(dT). From this pool of cDNA, human chromosome 7-enriched cDNA was isolated by direct cDNA selection using chromosome 7 genomic DNA (cosmids). The resulting direct-selected cDNA was cloned into plasmid vector using a non-directional uracil DNA glycosylase (UDG)-mediated cloning strategy."

BASE COUNT 25 a 29 C 20 g 22 t
ORIGIN

Query Match 1.5%; Score 35; DB 9; Length 96;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2337 CTCCCCAAAGTCTGGATACAGGCATGCCACC 2371
Db 12 CTCCCCAAAGTCTGGATACAGGCATGCCACC 46

RESULT 15

AU102534 AU102534 50 bp mRNA linear EST 30-AUG-2001
DEFINITION Homo sapiens cDNA library Homo sapiens cDNA clone
ADSH00605, mRNA sequence.

ACCESSION AU102534

VERSION AU102534.1 GI:13552055

KEYWORDS EST.

SOURCE Homo sapiens

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata

AUTHORS H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki
Y., Nakamura,Y., Suyama,A. and Sugano,S.

TITLE Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

JOURNAL EMBO Rep. 2 (5), 388-393 (2001)
MEDLINE 21270072

COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minato-ku, Tokyo 108-8639, Japan
Email: y Suzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitono-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
'S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
FEATURES Location/Qualifiers

Source 1..50
/organism="Homo sapiens"
/db_xref="9606"
/clone="ADSH00605"
/clone_id="Sugano Homo sapiens cDNA library"

/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"

BASE COUNT 10 a 18 c 13 g 9 t
ORIGIN

Query Match 1.4%; Score 34; DB 9; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2330 CCTCGGGCTCCCCAAAGTCTGGATACAGGCAT 2363

Db 10 CCTCGGGCTCCCCAAAGTCTGGATACAGGCAT 43

Search completed: January 11, 2003, 07:04:15
Job time : 3334 secs

